

The Commonwealth of Massachusetts

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

GARDNER STATE COLONY

FOR THE

YEAR ENDING NOVEMBER 30, 1931

DEPARTMENT OF MENTAL DISEASES



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GARDNER STATE COLONY
GARDNER, MASS.

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TRUSTEES' REPORT

To His Excellency, the Governor and the Honorable Council:

The Trustees have the honor to present herewith the twenty-ninth Annual Report of the Gardner State Colony.

Attention is invited to the careful and detailed report of the Superintendent.

There has been an increase in the number of patients cared for by the Gardner State Colony and there has been a gradual increase for some years in the average age of the patients. Whereas the Gardner State Colony, as its name implies, was originally built to provide a group of separate colonies where able-bodied patients could work upon the land and produce much toward their own support, there has gradually taken effect a departure from this principle. No new colonies have been built for a number of years. Our original patients are now old and patients received

from other institutions have often been elderly. This has meant that there is a larger percentage of the hospital and infirmary type of patients than was formerly the case. It seems a pity that there should not be a continued development of the colony idea. It was a sound conception and the trustees know of no sufficient reason why it should be abandoned. They recommend the building of another colony group of buildings largely by the labor of the patients and they recommend that able-bodied patients be sent to this institution to live in these buildings when erected, to clear the land and raise farm and garden products.

The industries at which patients work at this institution, aside from farming, are principally the weaving of cloth and making garments from it, the making of rugs, the manufacture of boots and shoes, furniture, printing, and the canning of farm products. Attention is invited to the fact that the colony has produced in its own shops all the dress material for women's dresses, all the material for overalls, jumpers and shirts for men, towelling, stockings and a considerable portion of the sheeting used and all the blankets and bed spreads. The printing department has done all the printing of forms and reports of the Department of Mental Diseases and the sixteen departments under its supervision. All articles of wearing apparel have been made here for a number of years, none purchased. The shoe department makes all shoes that are worn and the furniture department makes the furniture for the institution, including that necessary to furnish new buildings. The cannery has taken care of surplus vegetables and fruits, amounting to 13,788 gallons during the year in review.

This brief synopsis of the work done by patients seems to the trustees to show the very creditable contribution made by the patients toward their own support. No attempt has been made to list what has been produced in the farm and garden. Attention is invited to the details of all this, as listed in the superintendent's report. There will also be found there a statement of the work done in the clearing of fields, construction of roads and buildings, wood cutting and sawing and reforestation.

The trustees record their satisfaction in the completion and occupation of the hospital building. They are further gratified that work has begun upon the new heating plant.

Needs of the Colony:

The superintendent, in his report, lists seven needs, each of which involves the considerable expenditure of money. Of these the trustees wish to emphasize the following:

1. A group of buildings for an additional colony to house thirty-five patients.
2. Construction of a new cow tie-up and barn for hay. The present arrangement is too great a fire risk. The close connection of dairy, horse stable and cow barn is not an ideal one.
3. A superintendent's house. The trustees repeat what they said in their reports for the years 1925 and 1930:

"The Trustees consider that a Superintendent's house is most important for the well-being of the State Colony. The Superintendent and his family are entitled to living quarters which will take him away from the strain of his daily association with patients and business. The high character of our hospitals for the insane can only be maintained by having at the head of them, men of capacity, humanity and professional skill. Such men can only be procured in the long run when they are given proper conditions under which to live and do their work."

4. Replacing of buildings of two colonies, now in uncomfortable and inadequate old farm houses.

The other recommendations contained in the Superintendent's report are important. The trustees feel that they should be carried out as soon as the finances of the Commonwealth make it possible. Every effort is being made to put into effect all economies consistent with the well-being of the patients.

Respectfully submitted,

AMIE H. COES
OWEN A. HOBAN
GEORGE A. MARSHALL

GRACE NICHOLS
R. T. FISHER
FREDERIC A. WASHBURN

February 20, 1932.

SUPERINTENDENT'S REPORT

To the Board of Trustees of the Gardner State Colony:

I herewith respectfully present my Annual Report as Superintendent of the Gardner State Colony. In matters relating to patients the hospital year ends September 30, 1931, and in matters of finance November 30, 1931.

MOVEMENT OF POPULATION

On September 30, 1930, there remained on the books of the institution 1,314 patients of whom 1,190 were in actual residence and 124 on parole or otherwise absent. During the year we have received 199 patients, 120 of whom were received by direct admission and 79 by transfer from other hospitals. Of the 120 direct admissions, 97 were admitted for the first time to any hospital, 23 had had previous hospital residence. Eight-one have been discharged and 57 have been removed by death. The total number discharged and died was 138 compared with 199 admitted.

Changes above noted having occurred during the year, there remained 1,375 patients at the end of the year, 1,230 of whom are actually resident and 145 on parole or otherwise absent. In comparison with the previous year there have been 82 more under care and at the end of the year an actual increase of 40 resident and 21 non-resident patients. At the end of this hospital year there were under care 133 patients more than at the same period three years ago and 257 more than the same period five years ago. This increase is due to additional facilities for care and has no absolute relation to any increase in the general population.

Cared for in families under supervision there were 66 at the beginning of the year and 75 at the end of the year. The form of mental disease in the 97 admitted for the first time to any hospital was senile psychoses 9.28%; psychoses with cerebral arteriosclerosis 10.31%; general paralysis 4.12%; dementia praecox 11.34%; psychoses with other somatic diseases 19.58%; psychoses with mental deficiency 7.22%; alcoholic psychoses 8.25%; paranoid conditions 1.03%; manic-depressive psychoses 8.25%; neuroses 4.12% and without psychoses 16.50%. In admissions there are 2 rather extremes: 19.5% of those admitted show senile psychoses or psychoses with arteriosclerosis whereas 16.50% were without psychoses. This is due first to the fact that there is an increasing tendency to commit elderly persons to the care of the State and second there is an increasing tendency to commit other types of patients to a hospital because of primary physical conditions. An analysis of the 16.50% without psychoses shows the following conditions: one Huntington's chorea; 1 encephalitis lethargica; 2 not psychotic; 2 psychopathic personality; 3 drug addiction; 2 chronic alcoholism; 1 multiple sclerosis; 1 epilepsy and 5 psychoneuroses.

The chief assigned causes of mental illness in the 97 first admissions are: senility and arteriosclerosis 19; poor mental endowment 17; somatic disease 14; alcohol 8; mental deficiency 7 and syphilis 4. Of interest is the fact that in those admitted for the first time to any hospital 34.25% were discharged within the same hospital year. Of note also is the age at the time of death of those 57 who died: 33% were over 70 years of age; 43% were between 50 and 70 years of age; only 23% were under 50 years of age. The principle causes of death were: cardiovascular diseases 51.7%; tuberculosis 16%; carcinoma 7.1% and syphilis 5.3%.

It is noticeable that with the passage of time the ratio of the infirmary and hospital population is rather rapidly increasing due both to the fact that more aged persons are now being received and those who were received by transfer in past years are now reaching advanced years.

EXTRA MURAL ACTIVITIES

There has been an increasing demand for our assistance in the mental hygiene field. This reached such a point this year that a psychiatrist, a psychiatric social worker, a psychologist and clerk have been added to the staff whose activities will be almost entirely devoted to the examination of backward children in the public schools, child guidance, the nursery school and the regular monthly clinics for adults. There are 30 towns in the district of this hospital which refer children to us for examination. There have been 125 backward children in public schools examined

and reported upon. These examinations showed that 39 were feeble-minded; 48 borderline; 38 dull normal. Recommendations were made as follows: Special classes 59; continue in the same grade 51; institutional care 5; home care 4; school for the deaf 1; reached scholastic attainment 5.

Child Guidance work which is comparatively new is growing rapidly. The demands for this work reached a point where our regular Medical Staff could not do the work required. With the additional staff provided we have established regular clinic days at Fitchburg, Gardner and Athol. It is most encouraging to note the rapid interest in Child Guidance and how quickly the general public has seen the importance of it. There have been 96 children studied most of them during the last half of the year since the travelling clinic was organized.

This work is being carried on with the cooperation of and for the benefit of parents, various social agencies and physicians. Following the completion of studies by the clinic staff all cases are reviewed by the hospital medical staff and findings and recommendations are presented to the person who presents the case for study. Thus far these cases seem to have been referred by the Court as required by the statutes, by school authorities and social agencies, rather than physicians. Findings indicate that these children present social problems rather than medical.

The Nursery School established in Fitchburg in cooperation with the Fitchburg Normal School and the Superintendent of the Schools of Fitchburg proved so successful the first year that the parents of the children made special effort to have it financed for a second year and in spite of material odds were successful in doing this so that it is now operating in its second year with an enrollment of eighteen children from two to four years of age. It is interesting to note the unanimous feeling on the part of the parents of its value and on the part of the Principal of the Fitchburg Normal School for its value in training students.

The regular social service work of the colony has been continued, special study being conducted of each new patient received. All patients discharged have been followed up. Approximately 800 visits have been made by the Social Service Worker and 234 visits were made to patients on visit. This work permits us to have a complete picture of the patients environment and reaction to it before admission and later to supervise those who leave the hospital on visit. It also permits a re-adjustment of unfavorable situations which lead up to the need of hospital care. The part which family relationship and home environment play are now being better understood and re-adjustments are possible. It is possible also to discharge a large number of patients under supervision. This results in a direct benefit to the patient, protection to society and incidentally the hospital.

GENERAL MEDICAL

Dr. Lonnie O. Farrar a member of the Medical Staff since March 1, 1922, and Assistant Superintendent since October 14, 1926, resigned by transfer to the Worcester State Hospital, June 30, 1931. He was untiring in his work and his service was of a high order. His special interest in preventative work notably child guidance caused him to wish to enter a larger field to perfect himself in this speciality.

Dr. Henry L. Clow, a graduate of Tufts Medical School and a member of the Staff of the Metropolitan State Hospital, was appointed to succeed Dr. Farrar as Assistant Superintendent from September 1, 1931.

Dr. William A Hunter, a graduate of McGill University and Assistant Physician since September 27, 1929, was assigned June 1, 1931, to direct all extra mural activities.

Dr. Nathan C. Robey, a graduate of Yale University, was appointed as Assistant Physician, June 6, 1931.

An additional physician, Dr. Lee W. Darrah, a graduate of the University of Pittsburg, was appointed to the Staff November 30, 1931.

Miss Mary Bolger served as Clinical Assistant from June 8 to October 6, 1931.

Dr. Rebekah B. Wright, Hydrotherapist of the Department of Mental Diseases, joined our Staff during August, September and October giving instruction to the Medical and Nursing Staff in the best methods of procedure in hydrotherapeutic treatment and her services are gratefully acknowledged.

Dr. Frederick P. Moore and Dr. Harold K. Marshall both graduates of Harvard University have continued to give the same high type of service which has characterized their previous work.

Our Consulting Staff has given us their active cooperation during the year and we are indebted to the following for their services: Dr. A. F. Lowell, of Gardner, Surgeon; Dr. Herman D. Bone, Gardner, Ophthalmologist; Dr. George A. Mossman, Gardner, Orthopedic Surgeon; Dr. C. H. Jennings, Fitchburg, Roentgenologist.

The following meetings and gatherings have been held at the colony during the year: Men's Service Clubs of Gardner, April 29, with 175 present; Fitchburg Council of Social Agencies, May 26, with 40 present; A class of Fitchburg Normal School Students, July 29, with 20 present; The Wachusett Dental Society, October 21, with 75 present; The Worcester North District Medical Society, October 27, with 70 present. At all of these meetings appropriate talks on mental illness with particular reference to preventative measures were given by members of the Medical Staff and others by invitation.

GENERAL HEALTH

While there has been the usual amount of illness in our entire population there has been no outbreak of any serious disease. One case of scarlet fever was found in a new admission but prompt isolation prevented its spread and in this case prompt recovery of the existing mental condition followed serum treatment of the scarlet fever.

There were fourteen major operations performed.

SPECIAL TREATMENT

The more important methods of treatment during the year have been treatment by hydrotherapy, physical-therapy, and occupational therapy.

Hydrotherapy. With the completion of a Treatment Building for Men we now have rather complete facilities for treatment by continuous bath, wet sheet envelopment, tonic treatment and colonic irrigation. There were 3,994 continuous bath treatments given. This form of treatment has shown beneficial results in a considerable number of cases and is still one important method of treatment.

Packs. An unsatisfactory designation for wet sheet envelopments. They have been continued where indicated but our desire has been to reduce this form of treatment to a minimum.

Colonic Irrigation. With this form of treatment established here in May, 1930, a large and increasing number of patients have been treated and with rather surprising and unexpected results. It was found in a short time that colonic irrigation was taking the place of wet sheet envelopments and to a certain extent of continuous baths and we have been impressed by statements of patients themselves as to the benefits they have experienced. It is, in our opinion, a most rational form of treatment in cases of mental illness. While there does not appear to be any specific action in colonic irrigation it does seem to aid in combatting a number of abnormal conditions. By cleaning out the colon the system is afforded relief from human metabolic processes; by the absorption of fluid from the colon which takes place during treatments dehydration is relieved; by mechanical cleansing action cleanliness is promoted. This treatment has resulted in a rapid return to normal stability in favorable cases. Sedation has also been obtained in a number of active cases and this has shown, as mentioned, in the reduction in the number of wet sheet envelopments applied. The reduction was from upward of 600 per month to less than 10 per month with some months none at all. This treatment is now actively carried on and 4 units are in use. There have been 3,000 treatments given and 3,728 fewer packs were found necessary than during the year previous.

Physical-therapy. This department operates daily and has been of decided benefit. Through the use of the ultra violet ray marked benefit has been noticed, especially in catatonic praecox cases and in local lesions needing stimulation. Infra-red is used in all cases as an adjunct to the ultra violet ray. By the use of diathermy relief from pain and discomfort has been noted and locally promotion of absorption. It has been of special benefit in the treatment of myalgia and pleurisy without effusion. In local infection the ultra violet has been of marked benefit. In cases

of constipation, prolapse of rectum and high blood pressure relief has been obtained by the use of the high frequency current. In all cases treated at the Physical-therapy Department, there appears to be improvement in physical health with improved appetite.

Personal Hygiene. This is used as an aid in the treatment of women as an adjunct to other treatments received. It has been decidedly worth while. It assists a patient to assist herself which is so important. There is perhaps no better way of assisting and encouraging one's self respect than encouraging interest in personal appearance. In this department there were 10,269 treatments given. Some 2,000 of these treatments were given for troublesome conditions of the feet, callouses, bunions, ingrowing nails, etc., which has resulted in greater comfort and in some cases a relief from pain and suffering which may have some part in aggravating the mental condition.

Occupational Therapy. As occupation was the primary object of the establishment of the colony so occupational therapy and industrial therapy have been continued actively.

Occupational Therapy has been chiefly carried on in the occupational building where an average of 125 women have been engaged in a variety of diversions and occupations and where over 200 different patients have been treated during the year. In addition to this, classes have been continued in the various hospital buildings and colonies under the direction of Mrs. Lillian A. Greene, Chief Occupational Therapist. Realization of the value of occupational therapy is constantly being stressed and interest shown in the entire work has, I believe, been more marked this year than previously. This is due in part to the establishment of additional classes in various departments and with the additional facilities for these classes. At the present time, changes are being made which will permit the removal from the occupational therapy department of those industries which are not strictly therapeutic measures but which are, nevertheless, just as valuable in the treatment of our patients. We have never been of the opinion that worth while occupation and industry should be divorced entirely from therapy in the strictest sense as our adult population differs, but little from the adult population in any environment and finds satisfaction in accomplishment. The making of a dress may be more valuable as a therapeutic measure than some simpler articles made purely because of their diversional value and we are ever inclined to direct worth while activities but never lose sight of the value of simpler diversions.

During the year 25,110 articles of clothing were made by women and 16,369 articles other than clothing such as household articles, novelties, etc., were manufactured. There were 24,972 articles mended; 1,108 pieces of fancy work made; 156 yards of lace and 1,796 pounds of material dyed.

Activities in the men's department have been continued also and special mention should be made of the increased activities of the Textile Department where denim, gingham, towelling, sheeting, blankets, bedspreads, etc., are manufactured. The total amount of cloth woven during the year was 27,968 yards. In addition 1,792 brooms and brushes of various kinds were made and 200 mattresses and pillows, also 6,539 stockings knitted. There were 365 articles repaired.

The Tailoring Department has continued to make all articles of wearing apparel for men including 822 coats, 378 trousers, 23 vests and 1 overcoat. All articles of wearing apparel for women are also cut out in this department but are made by the women in the women's departments. The total number of pieces cut out during the year is 11,222 and 4,832 were repaired and pressed.

The Furniture Department continues to make all furniture including that necessary to furnish new buildings and the total number of pieces made during the year is 2,505 and repaired 5,034.

All shoes are made and repaired in our shoe department the total number for the year including shoes, slippers, brogans, being 1,297. The total number of shoes, slippers, brogans, and other articles repaired totalled 4,799.

The Printing Department, housed in new quarters, has done all printing of forms and reports for the Department of Mental Diseases and the sixteen hospitals and schools under its supervision.

The Cannery has taken care of surplus vegetables and fruits sending this year to the store 13,788 gallons in various size containers. The value of this department is not alone the product but it has been markedly beneficial to the large group of women employed who come chiefly from the Treatment Building and who cannot otherwise enjoy our out-of-door privileges.

DENTAL DEPARTMENT

This department under the direction of J. Herbert Maycock, D.D.S., has been active through the year. The importance of this work cannot be over emphasized. The following work has been done:

Number of patients treated	4,103
Examinations	3,137
Prophylaxes	1,794
Fillings (Amalgam, 194; cement, 22; synthetic, 54; gutta percha, 120; gold, 1.)	391
Extractions (Local anesthesia, 717; general anesthesia, 48.)	765
Post operative treatments	369
Minor surgical operations (Abscesses, 44; surgical extractions, 58; bridges removed, 1; corrected occlusion, 9; root resection, 58; surgical treatment for pyorrhea, 9; alveolectomy, 18.)	197
Root canal treatment	114
Root canal fillings	76
Treatment for pathological conditions (For pyorrhea, 6; for Vincent's Angina, 27.)	33
Miscellaneous treatments for Pathological Conditions	97
Plate Work: (Plates made, 22; adjusted, 26; polished, 1; repaired, 34.)	
Gold Shell Crowns	2
X-rays taken	124

NURSING

Prior to 1930 general instruction and demonstrations were given attendants. In September, 1930, a School for Psychiatric Training, a two year course, was established and Miss Mary A. Chisholm, R. N., was appointed Principal of the Training School. Twenty-five pupils entered the course for 1931. Changes in personnel have occurred and there remained 8 in the service to complete the course in June. Twenty-four students were enrolled in the Junior class in September. Much interest is shown in this course by the students and satisfactory progress in training is being made.

Our entire hospital department has been better organized this year than in any former period due to the fact that a larger number of trained nurses have been appointed to supervisor and assistant supervisor positions.

DIVERSION

All special holidays have been appropriately observed as heretofore. The Christmas season is perhaps the time most looked forward to and was appropriately observed. On Christmas day a play "David Harum" was given with a musical by the Scivens-Mahler Duo.

Next to Christmas season in importance is our Field Day which was held September 29. There were 730 patients entertained throughout the day out of doors.

Perhaps next comes July Fourth, when an all day out of door program was arranged.

Motion pictures seem still to be the form of entertainment most desired and pictures were shown weekly during the winter months. Dances at which music was furnished by the Colony Band have been much enjoyed.

Special effort has been made to increase the attendance at church services. Of special merit is the music for these services. Choirs provide music for both morning and afternoon services, of a character deserving very special mention.

A minstrel show was provided by the Legion Social Club of Ashburnham on April 30. Dr. Arthur Rudman delivered an address to employees on "Influence" by invitation. The American Legion Drum Corps, 36 in number, visited and entertained by a parade and manoeuvres.

During the winter months sleigh rides were enjoyed by patients. Two entertainments were provided by local talent by the employees. Band concerts have been provided both in and out of doors by the Colony Band. Base ball games were of special interest to the men and were played several times weekly during the summer.

FARM

Farm operations during the year have been very satisfactory under the direction of Hall C. Bowman, Head Farmer.

We had under cultivation 155 acres and in addition 121 acres in hay. 155 acres were planted as follows: 24 acres in potatoes; 75 acres in garden crops; 30 acres in ensilage corn; 24 acres in oats and seeded and 2 acres in mangles. The yield in potatoes was rather exceptional, 7,589 bushels, an average of 316 bushels per acre. The total value of this crop was \$7,973.11. 400 tons of ensilage corn was harvested with a value of \$2,400. The value of the 75 acres of garden crop was \$15,242.17. The value of the orchard and fruit crop was \$1,559.73.

Dairy. The herd passed the State and Federal test this year for the fifth year. An average of 58 cows for the year produced an average of 13,538.89 lbs. per cow with 3.9% butter fat. The total amount of milk produced was 759,816 lbs. having a value of \$37,004.87 and the total cost of operating the dairy, including labor, board, etc., was \$23,017.74. The total credit amounted to \$40,260.49. There was a gain in inventory. At the beginning of the year the total inventory was \$24,072.38 and at the end of the year the inventory was \$26,032.48. The dairy, therefore, made a gain of \$19,202.85. The gross cost of producing milk was \$.0291 per pound and the net cost was \$.0250 per pound. There has been but one case of abortion in the herd this year and this animal was at once slaughtered pursuant to our practise.

Again this year, as last, an outbreak of sickness in our young stock in pasture occurred with a loss of fourteen heifers and four steers. These animals were supposedly immunized against hemorrhagic septicaemia before going to pasture and at the time of the outbreak ever effort was made, with the assistance of the State Division of Animal Industry, to determine the cause but no satisfactory diagnosis was arrived at. The situation having arisen two years in succession indicates to us that we should not have our young stock in pasture during July and August.

Toward the close of the year we purchased six pure bred heifers from dams producing over 20,000 lbs. of milk. A registered bull was also purchased whose dam produced over 29,000 lbs. of milk in one year. These animals with several purchased in previous years will form the foundation of our herd of the future.

The breeding of swine demands and has received special attention. Immunization against hog cholera has been practised, as in the past three years, using a larger amount of virus and apparently this has been justified as we have had no serious sickness or losses among our swine during these years. At the beginning of last year our swine totalled 282, at the end of the year 316. During the year 48,838½ lbs. of pork was produced. The total cost of operating the piggery was \$8,146.24 and the total credits were \$8,257.55. There was an increase in inventory value during the year with the resulting gain of \$1,626.76. Mention was made last year of the purchase of pure bred duroc stock and from these we have at the present time 56 head of pure bred stock and from these we will breed this year. We also from this pure bred stock supplied other state institutions with 15 pure bred boars.

Poultry. 2,000 day old chicks were purchased. Losses were small, 3.4%. The total value of the production of this department was \$7,816.99 and the total cost of operating the department was \$4,563.58. There was a marked increase in inventory \$3,321.01.

Miscellaneous Activities. A large amount of work has been done in clearing fields. The rock is used in the construction of roads and buildings. An estimate of the rock removed from fields is 10,510 tons; 4,930 tons of rock was excavated; 3,749 tons of rock was crushed for road work. 5,560 cubic yards of earth was excavated; 22 acres of land was cleared of underbrush; 4 1/2 acres of land was cleared for farm; 310 cords of wood was cut and sawed; 98,035 feet of lumber was cut and sawed; 2,400 tons of ice was harvested.

We have continued reforestation work this year and the following were set out: 4,000 red pine seedlings; 2,000 Scotch pine seedlings; 1,500 Australian pine seedlings; and 750 Norway spruce.

Apple trees set out during the year were as follows: 48 Baldwins; 10 Delicious; 30 McIntosh; 25 Rhode Island Greenings.

Data regarding farm operations, production, etc., may be found in tables following this report.

The usual number of repairs have been completed in all buildings and they are in good repair. Many buildings have been painted inside and out. Constant repairs are necessary in plumbing and much old work has been renewed and is in good repair.

At the main kitchen a partial new floor and new floor drains have been installed also new aluminum kettles have replaced old iron kettles.

Asbestos shingles have replaced wood shingles on four buildings.

The original twenty-one pair telephone cable was out grown and has been replaced by a fifty-one pair cable.

Automatic circuit breakers have been installed in the high tension electric line by the Gardner Electric Light Company and very few interruptions in current have occurred since.

An addition to the garage for physicians has been built.

New hot water heaters have been installed in several of the cottages.

REPAIRS NOT RECURRING ANNUALLY

1. *Coal trestle repairs.* Unusual repairs are made each year owing to the age of the coal trestle and these have been made this year as required by the Boston and Maine Railroad. The new heating plant under construction will cause the abandonment of the present trestle.

2. *Re-building main road.* One half mile of road directly adjacent to the office has been entirely re-built and a permanent tarvia road is now in use.

3. *Mesh grilles.* Fire escapes on the two infirmaries have been enclosed with mesh grilles making them safe for use in emergencies as well as preventing their use as not intended.

4. *Asbestos roofing.* The following buildings have been covered with asbestos shingles replacing wood shingles: Westminster Cottag, Gardner Cottage, two industrial buildings. Practically all occupied buildings are now covered with fire-proof shingles.

5. *Laundry equipment.* An additional tumbler dryer and extractor have been installed.

6. *Extension of fire alarm.* The installation of a fire alarm system begun last year has been continued this year. Fifteen fire alarms boxes have been installed together with the necessary apparatus at the Power House including an automatic whistle blowing device. The Gamewell system was installed.

7. *Machine shop equipment.* An oxy-acetylene welding outfit has been installed.

8. *Barn group.* Pens and out door yards have been constructed for the care of bulls as have also pens and out door yards for young stock. The barn formerly occupied by bulls has been entirely made over into a horse barn and is in use. The space formerly occupied by horses, adjacent to the cow barn, has been made over and this is now occupied by cows.

9. *Talking movie apparatus.* An appropriation is available for the installation of talking pictures but the type of machine has not as yet been decided upon.

SPECIAL APPROPRIATIONS

1. The printery building under construction in 1930 was completed and occupied in July 1931. The plan for this building originally called for a one-story building

for printing purposes only but it seemed advisable to finish a basement floor and this is now occupied by the Textile Department with the Printing Department on the ground floor. It is an admirable building for the purpose.

2. The hospital building under construction at the time of the last report was completed and occupied in July 1931.

3. An appropriation of \$10,000 provided for the construction of a cow barn. Plans for this were drawn but approval has not yet been received and construction has not been started.

4. New Heating Plant: An appropriation of \$150,000 was made available for a new heating plant in a new location. Construction is at this time underway under the direction of the Department of Mental Diseases.

5. Employees' Cottage: An appropriation of \$14,000 was made available for the construction of an additional employees' cottage and plans have been prepared and submitted for approval as required. Approval has not yet been received and construction has not been started.

6. Sewage Disposal: An appropriation of \$12,850 provided for additional sewer beds at the Westminster Cottages and another at a group of smaller cottages to be located at the rear of the Highland Cottage. The work thus far has been upon the beds planned for the Westminster Cottages.

7. Furnishings — Hospital Building: \$9,300 was made available for furnishings in the Hospital Building then under construction. The major portion of the furnishings planned have been purchased and are in use.

8. The sum of \$10,000 was appropriated for the construction of a coal trestle. This has become a part of the plan for the new heating plant. Construction of this is underway.

MAINTENANCE

The appropriation for general maintenance for 1931 was \$475,800, of which \$448,393.72 was expended. During the year the average number of patients has been 1,275.281. The net weekly per capita cost was \$6.15. The gross weekly per capita cost \$6.76 for 1931 was twenty-five cents less than that of the previous year, \$7.01, or a decrease of 3.5%.

Budget estimates for 1932 are as follows:

Personal services	\$251,850.00
Travel, transportation and office expenses	4,956.00
Food	67,620.00
Clothing and materials	15,190.00
Furnishings and household supplies	20,580.00
Medical and general care	29,416.00
Religious instruction	1,900.00
Heat, light and power	40,285.00
Farm	33,500.00
Garage, stables and grounds	5,409.00
Repairs and renewals	15,200.00
Total	<u>\$491,406.00</u>

This budget is submitted on October 15 of the previous year and must provide for all contingencies for the following year. It is, of course, subject to study and revision as the general financial policy of the Commonwealth demands. Prepared carefully and according to the regulations governing the preparation of the budget, it is understood that the amount is in excess of that thought actually necessary if a policy of rigid economy is to be followed.

FUTURE DEVELOPMENT

I would respectfully present the following recommendations for further and needed development of the Colony as finances permit.

1. *Storehouse and cold storage.* There is urgent need of a building constructed solely for the purpose of the reception, storage and distribution of all supplies. At the present time such storage is located in the freight house where it is impossible to carry in stock much more than our food stuffs and all other supplies have to be

distributed in other departments for storage. This is not proper as a matter of policy and makes accounting difficult and not conducive to economy. In constructing a storehouse a cold storage equipment should be included to allow us to purchase and store food stuffs to advantage. There is urgent need of such a storehouse with cold storage and ice making facilities.

2. *Reception Building for fifty patients:* As previously outlined, this building would provide for the reception of those patients coming directly from their homes and admitted for the first time to any hospital. The present surroundings to which they come are not conducive to the betterment of their mental condition and something should be done to obviate this. At the same time there is a growing need for the reception of a certain class of patients in the early stages of mental or nervous trouble seen in our out-patient service who could materially benefit by earlier treatment but who hesitate to enter a hospital. In these cases delay may be of serious consequence.

The time is coming too when provision should be made for opportunity for further study of delinquents. At the present time we are examining youths brought before the Juvenile Court, the disposition of whose case depends largely upon our examination and report. It is not desirable or fair to submit a report upon one relatively short examination which will mean so much to the individual examined. At present there is no legal provision for the admission and study of these juvenile delinquents but if, in the future, a longer study is found desirable, as I believe it will be, then suitable provision will be needed. Such a reception building would serve as a center for extra mural activities. All social welfare work would be centered here. It would be the center of research work in the ever and rapidly growing field of mental hygiene. Such a building would be somewhat removed from the present group and should be operated and conducted more as a general hospital. In the past several years excellent buildings have been provided for hospital care and treatment of difficult mental patients and I believe that the addition of a building as described would be a real step forward in state hospital development.

3. *Cow barn.* With the growth of the institution, an increase in the number of cows is necessary which makes it imperative that another cow tie-up for fifty cows be provided. At the present time our young stock and heifers that have been bred are cared for in distant barns and are not receiving the care and supervision that they should and would receive if at a central farm group. Additional space is absolutely necessary and should be provided.

4. *Hay storage.* There is need of a central storage barn for hay and feed which is now improperly stored in various places resulting in much handling, improper mixing of grains and less control over its use. All livestock should be centralized as should also the feed for them.

5. *Colony Group for thirty-five patients.* As previously suggested, an additional colony for thirty-five patients and five employees might well be constructed by our own labor if the need for caring for additional numbers makes a building program necessary. The advantage of colony groups is that they are much less expensive to construct and may be placed in a location where the land may be cleared and developed into farm land. An additional colony is suggested in accordance with the original plan of the development of the colony to care for those who do not require the more expensive hospital facilities and supervision.

6. *Purchase of land.* I again bring to your attention the desirability of purchasing a tract of seventeen acres of land, adjacent to the colony which purchase is suggested for the protection of the colony from future encroachment.

7. *Superintendent's House.*

I take this opportunity to thank the many friends of the Colony for their assistance during the year which they have expressed in many ways. Thanks are due to those who have generously given us newspapers, magazines, library books and many articles for the Occupational Therapy Department.

To the officers of the Colony I would express my appreciation for their efforts in behalf of the patients and for their cooperation. The success of the Colony depends upon their cooperation and whatever success may have been attained is due very largely to this.

To you, the Board of Trustees printed words cannot express my full appreciation of your support, help and advice, and to express my sincere thanks for your assistance and encouragement.

Respectfully submitted,

CHARLES E. THOMPSON,

Superintendent.

PRODUCTIONS FOR 1931

Garden Vegetables	\$15,252.60
Fruit and berries	1,559.73
Potatoes	7,973.11
Mangles	101.79
Milk	37,005.47
Beef	1,191.65
Beef, oxen	360.45
Pork	7,475.78
Eggs	4,735.43
Rabbit	41.70
Poultry	2,854.65
Ensilage corn	2,400.00
Oats, green oats and oat straw	673.16
Hay, clover	919.60
Hay, timothy	1,544.40
Alfalfa, green	346.50
Clover, green	259.00
Hay, meadow	217.00
Total	\$84,912.02
Maple syrup	\$26.95
Honey	9.60
Lumber cut:	
Hemlock, 10,928 feet	\$710.32
Spruce 1,140 feet	74.10
Pine 82,523 feet	5,776.61
Oak 1,400 feet	98.00
Maple 1,100 feet	77.00
Chestnut 942 feet	65.94
Wood cut 310 cords	3,100.00
Sawdust 30 cords	30.00
Ice 2,400 tons	13,200.00
Stone crushed 3,359 $\frac{3}{4}$ tons	5,039.63

REFORESTATION

Four thousand 4-year red pine seedlings, two thousand 4-year Scotch pine seedlings, fifteen hundred 4-year Australian pine seedlings and seventy-five hundred Norway spruce seedlings were set out during the year.

35 Cottontail Rabbits were shipped from here to other localities.

25 Golden Pheasants were received by us on August 21st.

ACREAGE OF CROPS

	<i>Acres</i>		<i>Acres</i>
Ensilage corn	30.0	Potatoes	24.0
Oats	24.0	Garden	75.0
Hay	121.7	Fruit and Orchard	30.0
Mangles	2.0	Pasture	88.34
Meadow Hay	65.0		
Total	460.04		

Stones totaling 10,510 tons were removed from the fields; 4,390 tons of rock were excavated; 5,560 cu. yds. of earth were excavated; 300 sq. yds. of roads were rebuilt and 12,410 sq. yds. of road resurfaced; 300 sq. yds. of land were graded; underbrush was cleared from 22 acres of land and 4 $\frac{1}{2}$ acres of land were cleared for fields.

VALUATION

November 30, 1931
REAL ESTATE

Land, 1,856 acres	\$41,125.00
Buildings	1,360,177.53
	<u>\$1,401,302.53</u>

PERSONAL PROPERTY

Travel, transportation and office expenses	\$300.00
Food	15,563.05
Clothing and materials	19,583.36
Furnishings and household supplies	226,405.39
Medical and general care	5,075.45
Heat, light and power	11,274.02
Farm	63,960.90
Garage, stables and grounds	12,560.87
Repairs	20,941.24
	<u>\$375,664.28</u>

SUMMARY

Real estate	\$1,401,302.53
Personal property	375,664.28
	<u>\$1,776,966.81</u>

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1931.

CASH ACCOUNT
Receipts

<i>Income</i>	
Board of patients	\$33,140.77
Personal Services:	
Reimbursement from Board of Retirement	156.65
Sales:	
Travel, transportation and office expenses	\$36.49
Food, (board of employees)	2,258.13
Clothing and materials	220.18
Furnishings and household supplies	20.85
Medical and general care	31.34
Farm:	
Cows and calves	75.00
Pigs and hogs	69.44
Hides	25.85
Hares	1.50
Milk60
Eggs	1.00
Vegetables	1,975.77
Sundries	3.08
Repairs, ordinary	74.68
Art and crafts sales	851.59
Total sales	<u>5,645.70</u>
Miscellaneous:	
Interest on bank balances	832.04
Rent	631.50
Sundries, post office	61.82
	<u>1,525.36</u>
Total income	<u>40,468.48</u>

MAINTENANCE

Balance from previous year, brought forward	\$5,630.73
Appropriation, current year	475,800.00
Total	<u>\$481,430.73</u>
Expenses (as analyzed below)	448,393.72
Balance reverting to Treasury of Commonwealth	<u>33,037.01</u>

Analysis of Expenses

Personal services	\$230,299.79
Religious instruction	1,493.25
Travel, transportation and office expenses	4,299.25
Food	55,432.63
Clothing and materials	14,095.42
Furnishings and household supplies	20,938.54
Medical and general care	25,335.26
Heat, light and power	37,132.76
Farm	32,768.09
Garage, stable and grounds	5,818.26
Repairs ordinary	14,532.67
Repairs and renewals	6,247.80
Total expenses for Maintenance	<u>\$448,393.72</u>

SPECIAL APPROPRIATIONS

Balance December 1, 1930		\$100,052.40
Appropriations for current year		195,550.00
Total		\$295,602.40
Expended during the year (see statement below)	\$95,406.55	
Reverting to Treasury of Commonwealth	66.52	
		95,473.07
Balance November 30, 1931, carried to next year		\$200,129.33

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Additional Water Supply	126-1924 398-1926	\$42,000.00	—	\$36,911.86	\$5,088.14
*Building for Semi-Dist. Men;	146-1929	149,900.00	—	149,933.48	66.52
Building for printing		—	—	9,996.33	3.67
Employees' cottage		—	—	11,999.11	.89
Two cottages for officers	115-1930	10,000.00	\$1,283.52	9,779.99	220.01
Hospital building	115-1930	150,000.00	67,823.25	149,395.25	604.75
Fire alarm system	115-1930	5,000.00	3,218.41	4,834.20	165.80
Cow barn	115-1930	10,000.00	—	—	10,000.00
Furnishing hospital building	245-1931	9,300.00	6,279.42	6,279.42	3,020.58
Coal trestle	245-1931	10,000.00	39.60	39.60	9,960.40
Employees' cottage 1931.	245-1931	14,000.00	—	—	14,000.00
Additional sewage disposal	245-1931	12,250.00	909.00	909.00	11,341.00
New heating plant, equipment	269-1931	150,000.00	4,275.91	4,275.91	145,724.09
		\$584,550.00	\$95,406.55	\$384,354.15	\$200,195.85

Balance rev-rtng to Treasury of the Commonwealth during year (mark item with *)	\$66.52
Balance carried to next year	200,129.33
Total as above	\$200,195.85

PER CAPITA

During the year the average number of inmates has been, 1,210.562 (at hospital) 64.719 (family care), 1,275.281. (Total)

Total cost of maintenance, \$448,393.72.

Equal to a weekly per capita cost of \$6.7616.

Receipt from sales, \$5,645.70.

Equal to a weekly per capita of \$.0851.

All other institution receipts, \$34,822.78.

Equal to a weekly per capita of \$.5251.

Net weekly per capita \$6.1514.

Respectfully submitted,

GERTRUDE W. PERRY,

Treasurer.

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. General Information

Data correct at end of hospital year, November 30, 1931

1. Date of opening as a hospital for mental diseases, October 22, 1902.

2. Type of hospital: State

3. Hospital plant — Value of hospital property:

Real estate, including buildings	\$1,401,302.53
Personal property	375,664.28

Total

Total acreage of hospital property owned, 1,856	\$1,776,966.81
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Total acreage under cultivation during previous year, 322.25.

4. Officers and employees:

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	—	1	—	—	—
Assistant physicians	6	1	7	—	—	—
Clinical assistants	—	—	—	1	—	1
Total physicians	7	1	8	1	—	1
Stewards	1	—	1	—	—	—
Resident dentists	1	—	1	—	—	—
Pharmacists	1	—	1	—	—	—
Graduate nurses	—	10	10	—	—	—
Other nurses and attendants	63	58	121	10	1	11
Occupational therapists	—	5	5	—	—	—
Social workers	—	2	2	—	—	—
All other officers and employees	55	41	96	3	1	4
Total officers and employees	128	117	245	14	2	16

NOTE: — The following items, 5-10 inclusive, are for the year ended September 30, 1931

5. Census of patient population at end of year:				Actually in Hospital			Absent from Hospital but Still on Books		
		M.	F.	T.	M.	F.	T.		
White									
Insane		682	469	1,151	39	93	132		
Mental defectives		28	16	44	4	5	9		
All other cases		2	2	4	3	1	4		
Total		712	487	1,199	46	99	145		
Other Races:									
Insane		20	10	30	—	—	—		
Mental defectives		1	—	1	—	—	—		
Total		21	10	31	—	—	—		
Grand Total		733	497	1,230	46	99	145		
				M.		F.	T.		
6. Patients under treatment in occupational-therapy classes, including physical training, on date of report				15		139	154		
7. Other patients employed in general work of hospital on date of report				533		200	733		
8. Average daily number of all patients actually in hospital during year				714.610		555.580	1,270.1903		
9. Voluntary patients admitted during year				6		8	14		
10. Persons given advice or treatment in out-patient clinics during year				161		118	279		

TABLE 2. *Financial Statement*

See Treasurer's report for data requested under this table.

NOTE: — The following tables 3-19, inclusive, are for the statistical year ended September 30, 1931.

TABLE 3. *Movement of Patient Population*

	REGULAR COURT COMMITMENT (INSANE)			VOLUNTARY			TEMPORARY CARE			OBSERVATION			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Patients on books of Institution September 30, 1930	737	572	1,309	1	3	4	—	1	1	—	—	—	738	576	1,314
2. Admissions during year:															
First admissions	33	40	73	5	7	12	6	3	9	2	1	3	46	51	97
Readmissions	7	9	16	1	1	2	4	1	5	—	—	—	12	11	23
Transfers from other hospitals for mental diseases	44	35	79	—	—	—	—	—	—	—	—	—	44	35	79
3. Total received during year	84	84	168	6	8	14	10	4	14	2	1	3	102	97	199
4. Total on books during year	821	656	1,477	7	11	18	10	5	15	2	1	3	840	673	1,513
5. Discharged from books during year:															
As recovered	3	2	5	—	1	1	2	—	2	—	—	—	5	3	8
As improved	7	11	18	1	4	5	2	—	2	1	—	—	11	15	26
As unimproved	4	3	7	—	2	2	1	4	5	—	1	1	5	10	15
As without psychosis	2	1	3	3	2	5	5	1	6	1	—	—	11	4	15
Transferred to other hospitals for mental diseases	4	13	17	—	—	—	—	—	—	—	—	—	4	13	17
Died during year	25	31	56	—	1	1	—	—	—	—	—	—	25	32	57
6. Total discharged, transferred and died during year	45	61	106	4	10	14	10	5	15	2	1	3	61	77	138
7. Insane patients remaining on books of hospital at end of hospital year															
In hospital	730	496	1,226	3	1	4	—	—	—	—	—	—	733	497	1,230
On parole or otherwise absent	46	99	145	—	—	—	—	—	—	—	—	—	46	99	145
Total	776	595	1,371	3	1	4	—	—	—	—	—	—	770	596	1,375

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States	18	26	44	9	10	9	19	17	16
Austria	—	—	—	—	—	—	1	1	1
Canada ¹	5	1	6	4	4	4	1	2	1
Central America	—	—	—	1	1	1	—	—	—
England	2	3	5	2	3	2	2	3	2
Finland	4	3	7	4	4	4	3	3	3
Germany	—	2	2	—	—	—	2	2	2
Greece	1	—	1	1	1	1	—	—	—
Ireland	1	1	2	5	3	3	—	1	—
Italy	—	—	—	2	2	2	—	—	—
Poland	—	2	2	1	1	1	1	1	1
Russia	—	—	—	—	—	—	1	1	1
Sweden	—	2	2	—	—	—	3	3	3
Other countries	2	—	2	3	3	3	1	1	1
Unascertained	—	—	—	1	1	1	6	5	5
Total	33	40	73	33	33	31	40	40	36

¹Includes Newfoundland.

TABLE 5. *Citizenship of First Admissions*

	Males	Females	Total
Citizens by birth	18	26	44
Citizens by naturalization	5	1	6
Aliens	9	8	17
Citizenship unascertained	1	5	6
Total	33	40	73

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M.	F.	T.	M	F.	T.
1. Traumatic psychoses	—	—	—	—	—	—
2. Senile psychoses	1	8	9	1	8	9
3. Psychoses with cerebral arteriosclerosis	4	5	9	4	5	9
4. General paralysis	2	2	4	2	2	4
5. Psychoses with cerebral syphilis	—	—	—	—	—	—
6. Psychoses with Huntington's chorea	—	—	—	—	—	—
7. Psychoses with brain tumor	—	—	—	—	—	—
8. Psychoses with other brain or nervous diseases, total	1	—	1	1	—	1
Meningitis, tubercular or other forms	1	—	1	—	—	—
9. Alcoholic psychoses, total	3	—	3	5	—	5
Acute hallucinosis	3	—	3	—	—	—
Other types, acute or chronic	2	—	2	—	—	—
10. Psychoses due to drugs and other exogenous toxins, total	—	—	—	—	—	—
11. Psychoses with pellagra	—	—	—	—	—	—
12. Psychoses with other somatic diseases, total	2	8	10	2	8	10
Exhaustion delirium	—	2	2	—	—	—
Cardio-renal diseases	1	1	2	—	—	—
Other diseases or conditions	1	6	7	—	—	—
13. Manic-depressive psychoses, total	2	4	6	2	4	6
Manic type	—	1	1	—	—	—
Depressive type	1	1	2	—	—	—
Other types	1	2	3	—	—	—
14. Involution melancholia	—	2	2	—	2	2
15. Dementia praecox (schizophrenia)	8	5	13	8	5	13
16. Paranoia and paranoid conditions	—	1	1	—	1	1
17. Epileptic psychoses	—	—	—	—	—	—
18. Psychoneuroses and neuroses, total	—	—	—	—	—	—
19. Psychoses with psychopathic personality	—	1	1	—	1	1
20. Psychoses with mental deficiency	4	3	7	4	3	7
21. Undiagnosed psychoses	—	—	—	—	—	—
22. Without psychosis, total	4	1	5	4	1	5
Psychopathic personality without psychosis	1	—	1	—	—	—
Mental deficiency without psychosis	2	1	3	—	—	—
Others	1	—	1	—	—	—
Total	33	40	73	33	40	73

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Senile			With cerebral arterio-sclerosis			General paralysis		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
English	7	11	18	1	2	3	3	2	5	1	—	1
Finnish	4	3	7	—	—	—	—	—	—	—	—	—
French	4	1	5	—	—	—	—	—	—	—	—	—
German	—	2	2	—	1	1	—	—	—	—	—	—
Greek	1	—	1	—	—	—	—	—	—	—	—	—
Irish	4	2	6	—	1	1	—	—	—	—	—	—
Italian ¹	2	1	3	—	—	—	—	—	—	—	—	—
Lithuanian	3	1	4	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	3	3	—	1	1	—	—	—	—	—	—
Scotch	1	—	1	—	—	—	—	—	—	—	—	—
Slavonic ³	1	3	4	—	—	—	—	—	—	—	—	—
Mixed	4	10	14	—	2	2	—	3	3	1	1	2
Race unascertained	2	3	5	—	1	1	1	—	1	—	1	1
Total	33	40	73	1	8	9	4	5	9	2	2	4

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With other brain or nervous diseases			Alcoholic			With other somatic diseases			Manic-depressive			Involution melancholia		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
English	—	—	—	1	—	1	—	1	1	—	1	1	—	1	1
Finnish	1	—	1	—	—	—	1	1	2	—	1	1	—	—	—
French	—	—	—	2	—	2	—	—	—	1	1	2	—	—	—
German	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	—	—	—	—	—	—	—	1	1	1	—	1	—	—	—
Italian ¹	—	—	—	1	—	1	—	1	1	—	—	—	—	—	—
Lithuanian	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	—	—	—	1	—	1	—	1	1	—	—	—	—	—	—
Mixed	—	—	—	—	—	—	1	2	3	—	—	—	—	1	1
Race unascertained	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Total	1	—	1	5	—	5	2	8	10	2	4	6	—	2	2

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Dementia praecox			Paranoia and Paranoid conditions			With psychopathic personality			With mental deficiency			Without psychoses		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
English	1	2	3	—	—	—	—	—	—	—	1	1	—	1	1
Finnish	1	1	2	—	—	—	—	—	—	1	—	1	—	—	—
French	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
German	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Greek	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Irish	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
Italian ¹	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Lithuanian	1	1	2	—	—	—	—	—	—	1	—	1	1	—	1
Scandinavian ²	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Slavonic ³	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Mixed	2	—	2	—	—	—	—	1	1	—	—	—	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8	5	13	—	1	1	—	1	1	4	3	7	4	1	5

¹Includes "North" and "South".²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Delmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	1	8	9	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	4	5	9	-	-	-	-	-	-	-	-	-
4. General paralysis	2	2	4	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	1	-	1	-	-	-	-	-	-	-	-	-
9. Alcoholic	5	-	5	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	2	8	10	-	-	-	-	-	-	-	-	-
13. Manic-depressive	2	4	6	-	-	-	-	-	-	-	-	-
14. Involution melancholia	-	2	2	-	-	-	-	-	-	-	-	-
15. Dementia praecox	8	5	13	-	-	-	1	-	1	2	2	4
16. Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	1	1	-	-	-	-	-	-	-	-	-
20. With mental deficiency	4	3	7	-	-	-	1	-	1	1	-	1
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	4	1	5	-	-	-	-	-	-	-	-	-
Total	33	40	73	-	-	-	2	-	2	3	2	5

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	25-29 years			30-34 years			35-39 years			40-44 years			45-49 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
4. General paralysis	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	-	-	-	-	-	-	2	-	2	2	-	2
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	1	1	-	-	-	-	2	2	1	1	2	2
13. Manic-depressive	1	-	1	-	-	-	1	1	2	-	1	1	-	1	1
14. Involution melancholia	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
15. Dementia praecox	1	1	2	-	-	-	1	1	2	-	1	1	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	1	-	1	-	2	2	-	1	1	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	2	-	2	-	-	-	-	-	-	-	1	1
Total	2	1	3	3	1	4	2	5	7	2	6	8	4	5	9

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	R.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	1	1	-	-	-	-	3	3	-	1	4	5
3. With cerebral arteriosclerosis	-	-	-	-	-	-	1	1	-	-	-	-	4	3	7
4. General paralysis	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	1	1	1	2	3	-	-	-	-	-	-	-	1	1
13. Manic-depressive	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
14. Involution melancholia	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
15. Dementia praecox	2	-	2	-	-	-	1	-	1	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
20. With mental deficiency	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-
Total	5	2	7	3	4	7	1	3	4	1	3	4	5	8	13

TABLE 9. Degree of Education of First Admissions Classified with Reference to Principal Psychoses

Psychoses	Total			Illiterate	Reads and writes ¹	Common School		High School	College	Unascertained
	M.	F.	T.			M.	F.			
1. Traumatic										
2. Senile	1	8	9			1	7			1
3. With cerebral arteriosclerosis	4	5	9			3	2			1
4. General paralysis	2	2	4			2	2			2
5. With cerebral syphilis										
6. With Huntington's chorea										
7. With brain tumor	1		1			1				
8. With other brain or nervous	5		5			2	2			1
9. Alcoholic										
10. Due to drugs and other exogenous toxins										
11. With pellagra	2	8	10			1	3			
12. With other somatic diseases	2	4	6			1	1		1	1
13. Manic-depressive	2	2	4							
14. Involution melancholia	8	5	13			6	2			
15. Dementia praecox	1	1	2				8			
16. Paranoia and paranoid conditions										
17. Epileptic psychoses										
18. Psychoneuroses and neuroses	1	1	2							
19. With psychopathic personality	4	3	7			3	1			
20. With mental deficiency										
21. Undiagnosed psychoses	4	1	5			1				
22. Without psychosis						2				
Total	33	40	73	1	1	2	21	18	39	5
										12
										17
										6

¹Includes those who did not complete fourth grade in school.

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—
2. Senile	1	8	9	1	5	6	—	3	3
3. With cerebral arteriosclerosis	4	5	9	3	4	7	1	1	2
4. General paralysis	2	2	4	1	2	3	1	—	1
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	—	1	1	—	1	—	—	—
9. Alcoholic	5	—	5	5	—	5	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	8	10	2	5	7	—	3	3
13. Manic-depressive	2	4	6	2	4	6	—	—	—
14. Involution melancholia	—	2	2	—	1	1	—	1	1
15. Dementia praecox	8	5	13	8	4	12	—	1	1
16. Paranoia and paranoid conditions	—	1	1	—	1	1	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	1	1	—	1	1	—	—	—
20. With mental deficiency	4	3	7	3	3	6	1	—	1
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—
22. Without psychosis	4	1	5	4	1	5	—	—	—
Total	33	40	73	30	31	61	3	9	12

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Com- fortable			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	1	8	9	1	4	5	—	2	2	—	1	1	—	1	1
3. With cerebral arteriosclerosis	4	5	9	3	—	3	1	3	4	—	—	—	—	2	2
4. General paralysis	2	2	4	1	—	1	—	1	1	1	1	2	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—
9. Alcoholic	5	—	5	—	—	—	3	—	3	1	—	1	1	—	1
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	8	10	1	2	3	1	5	6	—	1	1	—	—	—
13. Manic-depressive	2	4	6	2	—	2	—	2	2	—	—	—	—	2	2
14. Involution melancholia	—	2	2	—	—	—	—	1	1	—	1	1	—	—	—
15. Dementia praecox	8	5	13	6	1	7	2	4	6	—	—	—	—	—	—
16. Paranoid and paranoid conditions	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
20. With mental deficiency	4	3	7	2	1	3	1	1	2	1	—	1	—	1	1
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	4	1	5	—	1	1	4	—	4	—	—	—	—	—	—
Total	33	40	73	16	9	25	13	21	34	3	4	7	1	6	7

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	1	8	9	1	8	9	—	—	—	—	—	—
3. With cerebral arteriosclerosis	4	5	9	3	5	8	—	—	—	1	—	1
4. General paralysis	2	2	4	—	2	2	1	—	1	1	—	1
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	—	1	—	—	—	1	—	1	—	—	—
9. Alcoholic	5	—	5	—	—	—	—	—	—	5	—	5
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	8	10	1	7	8	1	—	1	—	1	1
13. Manic-depressive	2	4	6	2	4	6	—	—	—	—	—	—
14. Involution melancholia	—	2	2	—	1	1	—	1	1	—	—	—
15. Dementia praecox	8	5	13	7	3	10	1	1	2	—	1	1
16. Paranoia and paranoid conditions	—	1	1	—	1	1	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	1	1	—	—	—	—	—	—	—	1	1
20. With mental deficiency	4	3	7	2	3	5	2	—	2	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	4	1	5	—	1	1	2	—	2	2	—	2
Total	33	40	73	16	35	51	8	2	10	9	3	12

TABLE 13. *Marital Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Single			Married			Widowed			Separated			Divorced		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	1	8	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	1	8	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	4	5	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis	2	2	4	1	1	2	1	1	2	2	3	5	—	—	—	1	1	2
5. With cerebral syphilis	—	—	—	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	5	—	5	1	1	2	1	3	—	1	—	1	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	2	8	10	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive	2	4	6	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—
14. Involution melancholia	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox	8	5	13	6	3	9	2	2	4	—	—	—	—	—	—	—	—	—
16. Paranoia and paranoid conditions	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency	4	3	7	4	2	6	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	4	1	5	1	1	2	2	—	—	—	—	—	—	—	—	—	—	—
Total	33	40	73	16	9	25	11	15	26	4	11	15	—	2	2	2	3	5

TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	Males	Females	Total
1. Traumatic	—	—	—
2. Senile psychoses	—	1	1
3. Psychoses with cerebral arteriosclerosis	—	—	—
4. General paralysis	—	—	—
5. Psychoses with cerebral syphilis	—	—	—
6. Psychoses with Huntington's chorea	—	—	—
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	—	—	—
9. Alcoholic psychoses	1	—	1
10. Psychoses due to drugs and other exogenous toxins	—	—	—
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	—	—	—
13. Manic-depressive psychoses	1	5	6
14. Involution melancholia	1	1	2
15. Dementia praecox	—	1	1
16. Paranoia and paranoid conditions	1	—	1
17. Epileptic psychoses	—	—	—
18. Psychoneuroses and neuroses	—	1	1
19. Psychoses with psychopathic personality	1	—	1
20. Psychoses with mental deficiency	2	—	2
21. Undiagnosed psychoses	—	—	—
22. Without psychosis	—	—	—
Total	7	9	16

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	1	—	1	—	—	—	1	—	1	—	—	—
3. With cerebral arteriosclerosis	—	1	1	—	—	—	—	1	1	—	—	—
4. General paralysis	—	1	1	—	—	—	—	1	1	—	—	—
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	2	—	2	1	—	1	1	—	1	—	—	—
10. Due to drugs and other exogenous toxins	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	1	2	3	—	—	—	—	2	2	1	—	1
13. Manic-depressive	3	3	6	1	1	2	2	2	4	—	—	—
14. Involution melancholia	—	2	2	—	—	—	—	2	2	—	—	—
15. Dementia praecox	5	2	7	1	—	1	1	1	2	3	1	4
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	1	1	—	1	1	—	—	—	—	—	—
19. With psychopathic personality	1	1	2	—	—	—	1	1	2	—	—	—
20. With mental deficiency	1	3	4	—	—	—	1	1	2	—	2	2
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	2	1	3	—	—	—	—	—	—	—	—	—
Total	16	17	33	3	2	5	7	11	18	4	3	7

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses

CAUSES OF DEATH	Total			Senile			With cerebral arterio-sclerosis			General paralysis			Alcoholic			Manic-depressive
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
<i>Epidemic, Endemic and Infectious Diseases</i>																
Tuberculosis of the respiratory system	5	3	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis of other organs	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>General Diseases not Included in Class I</i>																
Cancer and other malignant tumors	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Nervous System</i>																
Cerebral hemorrhage, apoplexy	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
General paralysis of the insane	3	-	3	-	-	-	-	-	-	3	-	3	-	-	-	-
<i>Diseases of the Circulatory System</i>																
Endocarditis and myocarditis	5	13	18	-	3	3	2	2	4	-	-	-	1	-	1	-
Arteriosclerosis	4	3	7	-	1	1	1	1	2	-	-	-	-	-	1	-
<i>Diseases of the Respiratory System</i>																
Bronchopneumonia	-	3	3	-	1	1	-	-	-	-	-	-	-	-	-	-
Lobar pneumonia	1	1	2	-	-	-	-	-	-	-	-	-	1	-	-	-
Pleurisy	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-
Other diseases of the respiratory system (tuberculosis excepted)	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System</i>																
Hernia and intestinal obstruction	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System and Anæmia</i>																
Nephritis	-	2	2	-	-	-	-	-	-	-	-	-	-	-	1	1
Accidental traumatism	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-
<i>External Causes</i>																
Total	25	31	56	2	5	7	3	3	6	3	-	3	3	-	2	2

TABLE 16. *Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded*

CAUSES OF DEATH	Involution melancholia		Dementia praecox		Paranoia and paranoid conditions		With mental deficiency		All other psychoses
	M.	F.	T.	M.	F.	T.	M.	F.	T.
<i>Epidemic, Endemic and Infectious Diseases</i>									
Tuberculosis of the respiratory system	—	—	—	—	—	—	—	—	—
Tuberculosis of other organs	—	—	—	4	3	7	1	—	1
<i>General Diseases not Included in Class I</i>									
Cancer and other malignant tumors	—	1	1	2	1	3	—	—	1
<i>Diseases of the Nervous System</i>									
Cerebral hemorrhage, apoplexy	—	—	—	1	1	2	—	—	—
General paralysis of the insane	—	—	—	—	—	—	—	—	—
<i>Diseases of the Circulatory System</i>									
Endocarditis and myocarditis	—	—	—	1	3	4	1	2	3
Arteriosclerosis	—	—	—	1	—	1	—	—	1
<i>Diseases of the Respiratory System</i>									
Bronchopneumonia	—	2	2	—	—	—	—	—	—
Lobar pneumonia	—	—	—	—	1	1	—	—	—
Pleurisy	—	—	—	—	—	—	—	—	—
Other diseases of the respiratory system (tuberculosis excepted)	—	—	—	—	1	1	—	—	—
<i>Diseases of the Digestive System</i>									
Hernia and intestinal obstruction	—	—	—	—	—	—	—	—	—
Cirrhosis of liver	—	—	—	—	1	1	—	—	—
<i>Non Venereal Diseases of Genito-Urinary System and Anæmia</i>									
Nephritis	—	—	—	—	—	—	—	—	—
<i>External Causes</i>									
Accidental traumatism	—	—	—	—	—	1	—	—	—
Total	—	3	3	9	12	21	2	2	4
							1	—	1

Includes group 22, "Without psychosis."

TABLE 17. *Age of Patients at Time of Death Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			20-24 years			25-29 years			30-34 years			35-39 years			40-44 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	2	5	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	3	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
13. Manic-depressive	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
15. Dementia praecox	9	12	21	1	-	1	-	1	1	-	-	-	2	-	2	1	1	2
16. Paranoia and paranoid conditions	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	25	31	56	1	-	1	-	1	1	-	-	-	2	-	2	3	3	6

TABLE 17. *Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	45-49 years			50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	4	6
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	6
4. General paralysis	-	-	-	1	-	1	-	-	-	1	-	1	-	-	-	1	-	1
5. With cerebral syphilis	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
13. Manic-depressive	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	1
14. Involution melancholia	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
15. Dementia praecox	-	2	2	-	1	1	1	2	3	2	2	4	1	1	2	1	2	3
16. Paranoia and paranoid conditions	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	1	1	1	-	1	1	-	1	-	-	-	-	-	-	-	1	1
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	-	-	-
Total	-	3	3	3	2	5	4	4	7	4	4	8	1	2	3	7	12	19

TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses*

PSYCHOSES	Total			Less than 1 month		1-3 months		4-7 months		8-12 months		1-2 years		3-4 years	
	Total			M. F. T.		M. F. T.		M. F. T.		M. F. T.		M. F. T.		M. F. T.	
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	5	7	-	-	-	-	1	1	-	-	-	-	-	-
2. Senile	3	3	6	-	2	2	-	-	-	1	1	1	1	1	1
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	3	-	3	-	1	1	-	-	-	-	-	-	-	1	1
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	9	12	21	-	-	-	-	1	1	-	-	1	2	1	3
15. Dementia praecox	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	25	31	56	2	3	5	1	2	3	1	-	1	2	4	6

TABLE 18. Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded

PSYCHOSES		5-6 years		7-8 years		9-10 years		11-12 years		13-14 years		15-19 years		20 years and over	
		M. F.	T.	M. F.	T.	M. F.	T.	M. F.	T.	M. F.	T.	M. F.	T.	M. F.	T.
1. Traumatic		-	1	-	1	-	-	-	-	-	-	-	-	-	-
2. Senile		-	1	-	1	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis		-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis		-	-	-	1	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis		-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea		-	-	-	1	-	-	-	-	-	-	-	-	-	-
7. With brain tumor		-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases		-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic		-	-	-	-	-	-	-	-	-	-	1	-	-	-
10. Due to drugs and other exogenous toxins		-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra		-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases		-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive		-	-	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia		-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox		-	-	-	-	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions		1	-	1	-	1	1	1	-	-	-	1	-	1	-
17. Epileptic psychoses		-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses		-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality		-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency		-	-	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses		-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		1	1	2	2	2	4	1	1	2	-	2	-	8	13

¹Includes group 22,;Without psychosis."

TABLE 19. *Family Care Department*

	Male	Female	Total
Remaining in Family Care, October 1, 1930.	9	57	66
On visit from Family Care, October 1, 1930.	1	—	1
Admitted during the year.	4	43	47
Whole number of cases within the year.	14	100	114
Dismissed within the year:			
Returned to institution	8	36	44
Returned to institution while on visit from Family Care	1	—	1
Discharged (died)	—	—	—
On visit	—	—	—
Remaining in Family Care, September 30, 1931	5	64	69
Supported by State	4	64	68
Private	—	—	—
Self-supporting	1	—	1
Number of different persons within the year	9	42	51
Number of different persons within the year dismissed	8	29	37
Number of different persons within the year admitted	4	35	39
Average daily number in Family Care during the year:			
Supported by State	4.432	57.506	61.938
Private	—	—	—
Self-supporting	1.000	1.632	2.632